

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P385269

Luminaire Tested: **14ID-65-L850-CNV**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385269  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-73)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14ID-65-L850-CNV  
Description: 1X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -  
Ballast/Driver: -

**Summary**

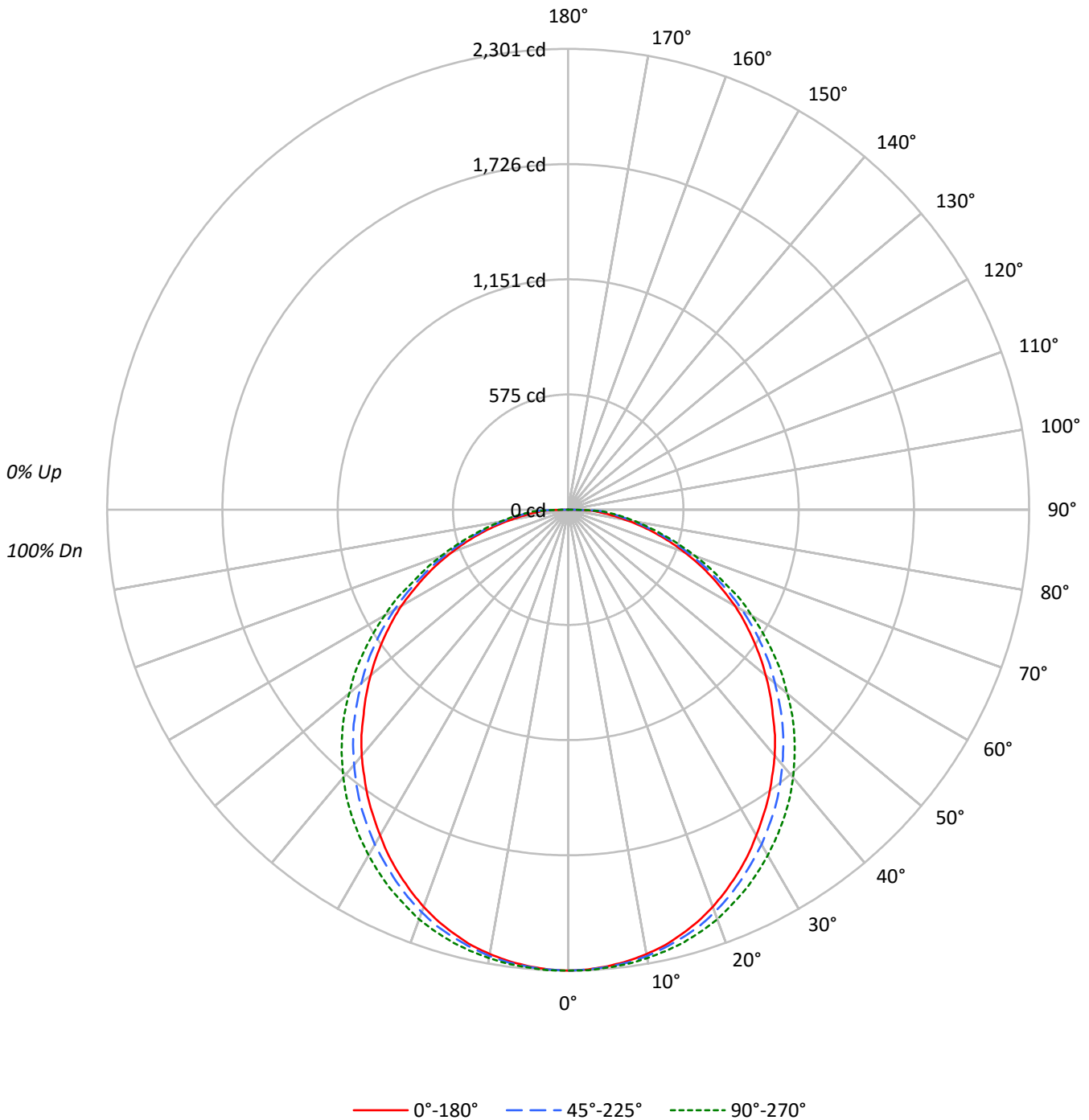
Lumens per Lamp: N/A  
Luminaire Lumens: 6674.7 lumens  
Efficiency: N/A  
Efficacy: 114.3 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 58.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	99	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	90	82	77	95	88	81	76	84	79	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	54	42	34	28	41	33	28	40	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	6193	6193	6193
5°	6156	6110	6109
10°	6111	6027	6035
15°	6044	5926	5961
20°	5953	5812	5876
25°	5833	5671	5766
30°	5698	5527	5647
35°	5573	5375	5524
40°	5443	5198	5381
45°	5275	5020	5208
50°	5136	4796	4983
55°	4980	4575	4735
60°	4826	4301	4421
65°	4605	3964	4021
70°	4337	3596	3634
75°	4029	3190	3182
80°	3611	2755	2737
85°	3411	2396	2324



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	217.7	3.3
10°-20°	624.0	9.3
20°-30°	941.7	14.1
30°-40°	1130.3	16.9
40°-50°	1169.7	17.5
50°-60°	1059.7	15.9
60°-70°	816.5	12.2
70°-80°	505.2	7.6
80°-90°	209.8	3.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1783.4	26.7
0°-40°	2913.7	43.7
0°-60°	5143.2	77.1
0°-90°	6674.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6674.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2301	2301	2301	2301	2301	
5°	2287	2287	2291	2291	2294	217
15°	2194	2197	2211	2225	2235	619
25°	2003	2010	2041	2076	2093	922
35°	1746	1760	1805	1854	1878	1091
45°	1444	1465	1513	1569	1597	1117
55°	1125	1142	1180	1232	1250	1007
65°	788	795	819	854	857	779
75°	448	458	476	496	496	474
85°	163	180	208	222	219	176
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2301.3	2301.3	2301.3	2301.3	2301.3
2.5°	2297.8	2297.8	2297.8	2297.8	2301.3
5°	2287.4	2287.4	2290.9	2290.9	2294.4
7.5°	2273.5	2273.5	2280.5	2280.5	2287.4
10°	2252.7	2256.2	2263.1	2266.6	2273.5
12.5°	2228.4	2228.4	2238.8	2249.2	2256.2
15°	2193.7	2197.2	2211.1	2224.9	2235.4
17.5°	2155.5	2159.0	2179.8	2193.7	2207.6
20°	2110.4	2113.9	2138.2	2159.0	2176.3
22.5°	2058.3	2065.3	2093.0	2120.8	2134.7
25°	2002.8	2009.7	2041.0	2075.7	2093.0
27.5°	1943.8	1954.2	1985.4	2023.6	2044.4
30°	1877.8	1891.7	1929.9	1971.6	1992.4
32.5°	1811.9	1825.8	1867.4	1916.0	1936.8
35°	1745.9	1759.8	1804.9	1853.5	1877.8
37.5°	1673.0	1686.9	1735.5	1787.6	1815.4
40°	1603.6	1617.5	1662.6	1721.6	1745.9
42.5°	1527.3	1541.1	1589.7	1645.3	1673.0
45°	1444.0	1464.8	1513.4	1568.9	1596.7
47.5°	1367.6	1384.9	1430.1	1489.1	1516.8
50°	1287.8	1305.1	1346.8	1405.8	1426.6
52.5°	1207.9	1225.3	1266.9	1322.5	1343.3
55°	1124.6	1142.0	1180.2	1232.2	1249.6
57.5°	1044.8	1058.7	1093.4	1142.0	1155.9
60°	961.5	975.4	1003.1	1048.3	1058.7
62.5°	871.2	881.6	912.9	954.5	968.4
65°	787.9	794.9	819.2	853.9	857.3
67.5°	701.2	708.1	732.4	756.7	767.1
70°	614.4	624.8	642.1	666.4	673.4
72.5°	531.1	541.5	558.8	579.7	583.1
75°	447.8	458.2	475.5	496.4	496.4
77.5°	367.9	378.3	399.2	416.5	416.5
80°	288.1	305.5	326.3	343.6	343.6
82.5°	222.1	236.0	263.8	277.7	277.7
85°	163.1	180.5	208.3	222.1	218.7
87.5°	118.0	135.4	159.7	170.1	166.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)